



U.S. DEPARTMENT OF ENERGY
Office of Electricity Delivery and Energy Reliability
Infrastructure Security and Energy Restoration

ENERGY ASSURANCE DAILY

Friday Evening, April 08, 2016

Electricity

Storms, High Winds Knock Out Power to 16,000 CMP Customers in Maine April 7

Storms producing heavy rain and high winds up to 50 mph knocked out power to 16,000 Central Maine Power (CMP) customers on Thursday night. As of 3:30 p.m. EDT Friday, 922 customers remained without power. CMP said it had over 200 line workers, as well as numerous pole-setting crews and tree crews in the field and expects to complete restoration to all customers by late Friday evening.

<http://outagemap.cmpco.com/cmp/>

<https://twitter.com/cmpco>

<http://www.wmtw.com/weather/power-outages-jump-as-damaging-winds-batter-maine/38919064>

PPL's 1,111 MW Susquehanna Nuclear Unit 2 in Pennsylvania Reduced to 77 Percent by April 8

On the morning of April 7 the unit was operating at full power.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2016/>

Entergy's 966 MW River Bend Nuclear Unit 1 in Louisiana Reduced to 65 Percent by April 8

On the morning of April 7 the unit was operating at full power.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2016/>

KCP&L Purchases Two New Wind Facilities Totaling 500 MW in Missouri

Kansas City Power and Light Company (KCP&L) on Thursday announced plans to increase its sustainability portfolio with the purchase of an additional 500 MW of power from two new wind facilities in Missouri. Osborn is a 200 MW wind farm that is being constructed by NextEra Energy Resources in DeKalb County, and is expected to reach commercial operation by the end of 2016. Rock Creek is a 300 MW wind farm that is being constructed by Tradewind Energy in Atchison County, and is expected to reach commercial operation by September 2017.

<http://www.kcpl.com/about-kcpl/media-center/2016/april/kcpl-grows-renewable-energy-portfolio-with-new-missouri-wind-facilities>

Enel Starts Construction on 400 MW Cimarron Bend Wind Farm in Kansas April 8

Enel S.p.A., through its subsidiary Enel Green Power North America, Inc., on Friday announced it has started construction of the Cimarron Bend wind farm in Clark County, Kansas. The power and renewable energy credits from Cimarron Bend, which is expected to enter service by 2017, will be sold under two 200-MW bundled, long-term power purchase agreements, one with Google and the other with the Kansas City Board of Public Utilities.

[https://www.enel.com/en-](https://www.enel.com/en-gb/Pages/media/press/detail.aspx?source=media&id=1556&title=ENEL%20STARTS%20CONSTRUCTION%20I)

[gb/Pages/media/press/detail.aspx?source=media&id=1556&title=ENEL%20STARTS%20CONSTRUCTION%20I](https://www.enel.com/en-gb/Pages/media/press/detail.aspx?source=media&id=1556&title=ENEL%20STARTS%20CONSTRUCTION%20I)
[N%20THE%20UNITED%20STATES%20OF%20ITS%20LARGEST%20WIND%20FARM%20&curPage=1](https://www.enel.com/en-gb/Pages/media/press/detail.aspx?source=media&id=1556&title=ENEL%20STARTS%20CONSTRUCTION%20I)

LyondellBasell Cuts Output at Its 263,776 b/d Houston, Texas Refinery after Fire Damages Coker April 8 – Sources

A fire erupted at LyondellBasell Industries' Houston, Texas refinery on Friday, damaging a coker unit and forcing the company to cut output by as much as 25 percent, sources familiar with operations said. The sources said the fire was extinguished within an hour and it will take up to a month to fix the damaged 42,000 b/d coker. No injuries were reported but sources at the plant said the fire was "very bad" as black smoke blanketed swaths of Houston. No cause for the fire has been released and it wasn't immediately disclosed what chemical was fueling the blaze. On Thursday a hydrogen compressor malfunction shut a 49,000 b/d gas oil hydrotreater at the refinery. It was not clear if the events were related.

Reuters, 1:38 April 8, 2016

Reuters, 4:23 April 7, 2016

Reuters, 1:31 April 8, 2016

Update: TransCanada Says 16,800 Gallons of Oil Leaked from Its 590,000 b/d Keystone Pipeline in South Dakota; Plans to Restart April 12

TransCanada on Thursday reported to the National Response Center and the Pipeline and Hazardous Materials Safety Administration (PHMSA) that an estimated 16,800 gallons of oil leaked from its Keystone pipeline near the Freeman pump station in Hutchinson County, South Dakota. TransCanada said the estimate was based on the excavation of soil to expose more than 275 feet of pipe and took into account a number of factors including oil observed in the soil and the potential area impacted. The company had originally estimated the spill, which occurred on April 2, at about 187 gallons. After discovering the location of the leak on Friday, TransCanada affirmed to shippers that it expects to restart the pipeline next Tuesday. TransCanada said it was currently evaluating an appropriate repair method with the PHMSA and would work with the agency on returning the pipeline to service. The pipeline runs from Hardisty, Alberta to Cushing, Oklahoma, and on to Illinois.

Reuters, 3:17 April 8, 2016

Reuters, 2:38 April 8, 2016

<https://twitter.com/TransCanada/status/718521292803219456>

<http://www.canada.com/business/transcanada+16800+gallons+leaked+south+dakota/11836976/story.html>

<http://money.cnn.com/2016/04/07/news/keystone-oil-spill-south-dakota/index.html>

ExxonMobil Reports Fire Extinguished at Its 560,500 b/d Baytown, Texas Refinery April 7; No Impact to Production

ExxonMobil Corp on Thursday afternoon reported a fire at its Baytown, Texas, refinery was extinguished and output would not be curtailed at the refinery. The company provided no specific information on the affected unit but said it would monitor air quality around the complex and the community. The fire broke out on a 20,000 b/d lube oil hydrotreating unit, said sources familiar with plant operations. ExxonMobil said the unit affected processes diesel fuel.

<http://www.reuters.com/article/us-refinery-outages-exxon-mobil-baytowns-idUSKCN0X42T9?feedType=RSS&feedName=domesticNews>

Citgo Says Unit Normal after Upset at Its 175,940 b/d Lemont, Illinois Refinery April 6

Citgo Petroleum Corp said a processing unit at its Lemont, Illinois refinery experienced low volume intermittent flaring due to a brief unit upset on April 6. Citgo said unit operations at the refinery returned to normal early in the evening and there was no impact on planned production.

Reuters, 9:59 April 8, 2016

Repsol Receives Alberta Energy Regulator's Approval to Resume Fracking April 7 after Earthquake January 12

Repsol Oil and Gas Canada on Thursday said it received approval from the Alberta Energy Regulator to resume hydraulic fracking at a remote well in Alberta after a 4.8 magnitude earthquake linked to fracking hit the region. The company said it received approval to conduct modified flowback operations with reduced rates of pressure at the well. Repsol had suspended operations on January 12 after the quake hit 11 miles north of the town of Fox Creek. The company was conducting hydraulic fracturing at the time at its site near Fox Creek. An investigation by the Alberta Energy Regulator concluded with "high confidence" that the quake had been caused by fracking, according to the regulatory agency's spokesman.

Reuters, 5:30 April 7, 2016

U.S. Oil Drillers Cut Rigs for Third Week to 354 – Baker Hughes

U.S. oil drillers cut 8 oil rigs in the week to April 8, bringing the total rig count down to 354, Baker Hughes said. The number of U.S. oil rigs currently operating compares with 760 rigs operating in the same week a year ago. In 2015, drillers cut, on average, 18 oil rigs per week for a total of 963 oil rigs cut for the year, the biggest annual decline since at least 1988.
Reuters, 1:48 April 8, 2016

Marathon to Begin Construction on New 50-Mile Cornerstone Pipeline to Supply Its 80,000 b/d Canton, Ohio Refinery

Marathon Pipe Line said it will soon begin building a pipeline from Cadiz in Harrison County to Marathon's Canton refinery in Stark County, Ohio. The pipeline will move light oil mixtures condensed from raw gas and natural gasoline from Harrison County shale wells through Tuscarawas and Carroll counties to the Canton refinery. The pipeline will replace most of the fleet of tank trucks that have been running 24 hours a day to deliver the condensate oils and gasoline to the refinery, a senior engineer with Marathon Pipe Line said. About 85 percent of the 50-mile pipeline will be built parallel to an existing pipeline right-of-way and the company expects the new pipeline to be completed by the end of 2016. The pipeline, which is actually two connecting lines, includes a 16-inch steel pipeline that will run northwest for 42 miles from a new natural gas processing plant at Cadiz in Harrison County. That line will deliver up to 180,000 b/d to a new large storage tank at a tank farm in East Sparta, just southeast of the refinery. The second is an 8-inch pipeline will carry up to 45,000 b/d the 8 miles from East Sparta to the Marathon refinery in Canton. A third pipeline project still in the planning stages is a 16-inch steel pipeline from a gas processing plant in Hopedale near Harrison County's border with Jefferson County to the Cadiz processing plant. Marathon Pipe Line hopes to begin building that 8-mile line later in 2016.

http://www.marathonpipeline.com/Shippers/Cornerstone_Pipeline_BuildOut_Projects_Binding_Open_Season/
http://www.cleveland.com/business/index.ssf/2016/04/new_ohio_shale_oil_pipeline_to.html

Natural Gas

Update: SoCalGas Sees Partial Restart of Aliso Canyon Storage Field This Summer

Southern California Gas Co (SoCalGas) on Thursday said it aims to partially restore operations at its Aliso Canyon storage field by late summer, although it will probably take a year to reopen fully after it was shut due to a massive leak October 23, 2015. The leak was plugged in mid-February. The time frame for bringing the facility back online will unlikely be soon enough to avert natural gas shortages that could disrupt power generation across greater Los Angeles as warm-weather demand for electricity peaks, a top SoCalGas executive said. State energy regulators warned on Tuesday that the region could face up to 14 days of blackouts this summer as gas-fired power plants are forced to largely do without supplies normally furnished by Aliso Canyon at peak times. SoCal Gas, a division of Sempra Energy, remains barred from refilling the underground storage reservoir until the facility as a whole is deemed safe.

<https://www.socalgas.com/1443739053584/framework-to-bring-aliso-canyon-storage-facility-online-4716.pdf>
http://www.downstreamtoday.com/news/article.aspx?a_id=51705

Other News

Nothing to report.

International News

TAPI Pipeline Consortium Participants Sign Investment Agreement for Turkmenistan-Afghanistan-Pakistan-India Gas Pipeline April 7

Shareholders in TAPI Pipeline Company Limited, the management company for the consortium that will build and operate the Turkmenistan-Afghanistan-Pakistan-India (TAPI) gas pipeline, signed an investment agreement on Thursday. The initial budget in the investment agreement totals more than \$200 million. It provides for financing the next phase of TAPI implementation, including detailed surveying work on the route of the future gas pipeline and study of the environmental and social impact. The pipeline is expected to take three years to build.

Reuters, 12:25 April 8, 2016

Energy Prices

U.S. Oil and Gas Prices			
April 8, 2016			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	39.69	35.13	50.98
NATURAL GAS Henry Hub \$/Million Btu	1.94	1.94	2.67

Source: Reuters

Links

This Week in Petroleum from the U.S. Energy Information Administration (EIA)

<http://www.eia.gov/oog/info/twip/twip.asp>

Updated every Wednesday.

Weekly Petroleum Status Report from EIA

http://www.eia.gov/oil_gas/petroleum/data_publications/weekly_petroleum_status_report/wpsr.html

Updated after 10:30 AM & 1:00 PM ET every Wednesday.

Natural Gas Weekly Update from EIA

<http://www.eia.gov/oog/info/ngw/ngupdate.asp>

Updated after 2:00 PM ET every Thursday.

ENERGY ASSURANCE DAILY

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<http://www.oe.netl.doe.gov/ead.aspx>

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